

ABSTRACT

A TM microstrip antenna designed to transmit telemetry data for use by a nine inch diameter projectile. The microstrip antenna is configured to wrap around the projectile's body without interfering with the aerodynamic design of the projectile. The 5 TM microstrip antenna operates at 2.25 GHz with a bandwidth of  $\pm 10$  MHz. Eight microstrip antenna elements equally spaced around the projectile provide for linear polarization and a quasi-omni directional radiation pattern.